

FORM PTO-1449 (Modified)
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

APPLICATION NO.

031787.0090

09/805,177

APPLICANT

Richard Bruce RODEN et al.

FILING DATE

March 14, 2001

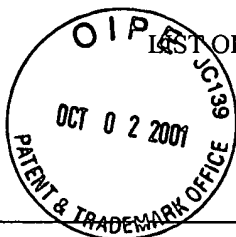
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*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	TRANSLATION YES NO
SR	1	5	1	0	7	0	6	5	04/21/92	Shewmaker et al.			
	2	5	1	9	0	9	3	1	03/02/93	Inouye			
	3	5	4	8	4	7	0	4	01/16/96	Dunbar			
	4	5	6	1	4	3	7	2	03/25/97	Lilja et al.			
	5	5	7	3	4	0	2	2	03/31/98	Pasternack			
	6	5	7	5	9	7	9	1	06/02/98	Kuhajda et al.			
	7	5	8	0	4	3	8	1	09/08/98	Chen et al.			
	8	5	8	4	0	4	9	4	11/24/98	Katz et al.			
	9	6	0	5	6	9	6	0	05/02/00	Kaslow			
	10	6	1	4	0	0	5	0	10/31/00	Sahin et al.			

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Sheet 1 of 6FORM PTO-1449 (Modified)
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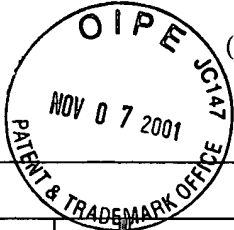
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						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

SR	12	Alami, Y., Castronovo, V., Belotti, D., Flagiello, D., and Clausse, N., "HOXC5 and HOXC8 Expression are Selectively Turned on in Human Cervical Cancer Cells Compared to Normal Keatinocytes," <i>Bioche. Biophys. Res. Commun.</i> , 257 :738-745 (1999).
	13	Allikmets, R., Raskind, W.H., Hutchinson, A., Schueck, N.D., Dean, M., and Koeller, D.M., "Mutation of a Putative Mitochondrial Iron Transporter Gene (ABC7) in X-Linked Sideroblastic Anemia and Ataxia (XLSA/A)," <i>Hum. Mol. Genet.</i> , 8 :743-749 (1999).
	14	Angelopoulou, K., Rosen, B., Stratis, M., Yu, H., Solomou, M., and Diamandis, E.P., "Circulating Antibodies Against p53 Protein in Patients with Ovarian Carcinoma. Correlation with Clinicopathologic Features and Survival," <i>Cancer</i> , 77 :2146-2152 (1996).
	15	Angerer, et al., Demonstration of Tissue-Specific Gene Expression by <i>In Situ</i> Hybridization," <i>Methods in Enzymol.</i> , 152 :649-61 (1987).
	16	Auersperg, N., Edelson, M.I., Mok, S.C., Johnson, S.W., and Hamilton, T.C., "The Biology of Ovarian Cancer," <i>Semin. Oncol.</i> , 25 :281-304 (1998).
	17	Baldino, et al., "High-Resolution <i>In Situ</i> Hybridization Histochemistry," <i>Methods in Enzymol.</i> , 168 :761-77 (1989).
	18	Barton, D.P., Cai, A., Wendt, K., Young, M., Gamero, A., and De Cesare, S., "Angiogenic Protein Expression in Advanced Epithelial Ovarian Cancer," <i>Clin. Cancer Res.</i> , 3 :1579-1586 (1997).
	19	Berzofsky, Jay A., et al., "Immunogenicity and Antigen Structure," In Paul, ed., <i>Fundamental Immunology</i> , 3 rd Ed., 3 :235-281 (1993).
	20	Brass, N., Heckel, D., Sahin, U., Pfreundschuh, M., Sybrecht, G.W., and Meese, E., "Translation Initiation Factor eIF-4gamma is Encoded by an Amplified Gene and Induces an Immune Response in Squamous Cell Lung Carcinoma," <i>Hum. Mol. Genet.</i> , 6 :33-39 (1997).
	21	Brown, H.A., Gutowski, S., Moomaw, C.R., Slaughter, C., and Sternweis, P.C., "ADP-Ribosylation Factor, a Small GTP-Dependent Regulatory Protein, Stimulates Phospholipase D Activity," <i>Cell</i> , 75 :1137-1144 (1993).
	22	Care, A., Silvani, A., Meccia, E., Mattia, G., Stoppacciaro, A., Parmiani, G., Peschle, C., and Colombo, M.P., "HOXB7 Constitutively Activates Basic Fibroblast Growth Factor in Melanomas," <i>Mol. Cell Biol.</i> , 16 :4842-4851 (1996).
	23	Care, A., Valtieri, M., Mattia, G., Meccia, E., Masella, B., Luchetti, L., Felicetti, F., Colombo, M.P., and Peschle, C., "Enforced Expression of HOXB7 Promotes Hematopoietic Stem Cell Proliferation and Myeloid-Restricted Progenitor Differentiation," <i>Oncogene</i> , 18 :1993-2001 (1999).

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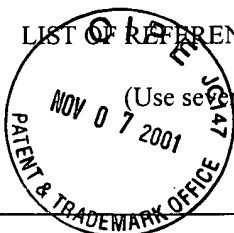
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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Richard Bruce RODEN et al.							
				FILING DATE March 14, 2001		GROUP 1651 1642 50					
U.S. PATENT DOCUMENTS											
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)											
SR	24	Care, A., Silvani, A., Meccia, E., Mattia, G., Peschle, C., and Colombo, M.P., "Transduction of the SkBr3 Breast Carcinoma Cell Line with the HOXB7 Gene Induces bFGF Expression, Increases Cell Proliferation and Reduces Growth Factor Dependence," <i>Oncogene</i> , 16 :3285-3289 (1998).									
	25	Chang, P.Y., Kozono, T., Chida, K., Kuroki, T., and Huh, N., "Differential Expression of HOX Genes in Multistage Carcinogenesis of Mouse Skin," <i>Biochem. Biophys. Res. Commun.</i> , 248 :749-452 (1998).									
	26	Chariot, A., Princen, F., Gielen, J., Merville, M.P., Franzoso, G., Brown, K., Siebenlist, U., and Bours, V., Ikb α Enhances Transactivation by the HOXB7 Homeodomain-Containing Protein," <i>J. Biol. Chem.</i> , 274 :5318-5325 (1999).									
	27	Chen, F., Greer, J., and Capecchi, M.R., "Analysis of HOXA7/HOXB7 Mutants Suggests Periodicity in the Generation of the Different Sets of Vertebrae," <i>Mech. Dev.</i> , 77 :49-57 (1998).									
	28	Chinni, S.R., Gercel-Taylor, C., Conner, G.E., and Taylor, D.D., "Cathepsin D Antigenic Epitopes Identified by the Humoral Responses of Ovarian Cancer Patients," <i>Cancer Immunol. Immunother.</i> , 46 :48-54 (1998).									
	29	Chinni, S.R., Falchetto, R., Gercel-Taylor, C. Shabanowitz, J., Hunt, D.F., and Taylor, D.D., "Humoral Immune Responses to Cathepsin D and Glucose-Regulated Protein 78 in Ovarian Cancer Patients," <i>Clin. Cancer Res.</i> , 3 :1557-1564 (1997).									
	30	Cillo, C., Faiella, A., Cantile, M. and Boncinelli, E., "Homeobox Genes and Cancer," <i>Exp. Cell. Res.</i> 248 :1-9 (1999).									
	31	Cillo, C., "HOX Genes in Human Cancers," <i>Invasion Metastasis</i> , 14 :38-49 (1995).									
	32	Crickard, K., Gross, J.L., Crickard, U., Yoonessi, M., Lele, S., Herblin, W.F., and Eidsvoog, K., "Basic Fibroblast Growth Factor and Receptor Expression in Human Ovarian Cancer," <i>Gynecol. Oncol.</i> , 55 :277-284 (1994).									
	33	Daunter, B., Jaa-Kwee, D., Miklosi, S., and Writht, G., "Ovarian Tumor Antigens: Preliminary Histological Investigation," <i>Gynecol. Oncol.</i> , 23 :364-370 (1986).									
	34	Dawson, J.R., Lutz, P.M., and Shau, H., "The Humoral Response to Gynecologic Malignancies and Its Role in the Regulation of Tumor Growth: A Review," <i>Am. J. Reprod. Immunol.</i> , 3 :12-17 (1983).									
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						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

SR	35	Di Blasio, A.M., Carniti, C., Vigano, P., and Vignali, M., "Basic Fibroblast Growth Factor and Ovarian Cancer," <i>J. Steroid Biochem. Mol. Biol.</i> , 53 :375-379 (1995).
	36	Dirix, L.Y., Vermeulen, P.B., Pawinski, A., Prove, A., Benoy, I., De Pooter, C., Martin, M., and Van Oosterom, A.T., "Elevated Levels of the Angiogenic Cytokines Basic Fibroblast Growth Factor and Vascular Endothelial Growth Factor in Sera of Cancer Patients," <i>Br. J. Cancer</i> , 76 :238-243 (1997).
	37	Eder, AM., Sasagawa, T., Mao, M., Aoki, J., and Mills, G.B., Constitutive and Lysophosphatidic Acid (LPA)-Induced LPA Production: Role of Phospholipase D and Phospholipase A2," <i>Clin. Cancer Res.</i> , 6 :2482-2491 (2000).
	38	Emson, et al., "Nonradioactive Methods of <i>In Situ</i> Hybridization: Visualization of Neuroendocrine MRNA," <i>Methods in Enzymol.</i> , 168 :753-61 (1989).
	39	Fang, X., Gaudette, D., Furui, T., Mao, M., Estrella, V., Eder, A., Pustilnik, T., Sasagawa, T., Lapushin, R., Yu, S., Jaffe, R.B., Wiener, J.R., Erickson, J.R., and Mills, G.B., "Lysophospholipid Growth Factors in the Initiation, progression, Metastases, and Management of Ovarian Cancer," <i>Ann. N.Y. Acad. Sci.</i> , 905 :188-208 (2000).
	40	Gadducci, A., Ferdeghini, M., Buttitta, F., Cosio, S., Fanucchi, A., Annicchiarico, C., and Genazzani, A.R., "Serum Anti-p53 Antibodies in the Follow-Up of Patients with Advanced Ovarian Carcinoma," <i>Anticancer Res.</i> , 18 :3763-3765 (1998).
	41	Gadducci, A., Ferdeghini, M., Buttitta, F., Fanucchi, A., Annicchiarico, C., Prontera, C., Bevilacqua, G., and Genazzani, A.R., "Preoperative Serum Antibodies Against the p53 Protein in Patients with Ovarian and Endometrial Cancer," <i>Anticancer Res.</i> , 16 :3519-3523 (1996).
	42	Gaynor, E.C., Chen, C.Y., Emr, S.D., and Graham, T.R., "ARF is Required for Maintenance of Yeast Golgi and Endosome Structure and Function," <i>Mol. Biol. Cell</i> , 9 :653-670 (1998).
	43	Harper, et al., "RNA Detection and Localization in Cells and Tissue Sections by <i>In Situ</i> Hybridization of ³⁵ S-Labeled RNA Probes," <i>Methods in Enzymol.</i> , 151 :539-51 (1987).
	44	Hazelton, D., Nicosia, R. F., and Nicosia, S.V., "Vascular Endothelial Growth Factor Levels in Ovarian Cyst Fluid Correlate with Malignancy," <i>Clin. Cancer Res.</i> , 5 :823-829 (1999)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)											
SR	45	Horowitz, A.T., Treves, A.J., Voss, R., Okon, E., Fuks, Z., Davidson, L., and Biran, S., "A New Human Ovarian Carcinoma Cell Line: Establishment and Analysis of Tumor-Associated Markers," <i>Oncology</i> , 42 :332-337 (1985).									
	46	Jacobs, I. and Bast, R.C., Jr., "The CA 125 Tumour-Associated Antigen: A Review of the Literature," <i>Hum. Repro.</i> , 4 :1-12 (1989).									
	47	Lutz, P.M. and Dawson, J.R., "Activity of Antibodies Recovered from Immune Complexes of Ovarian Cancer Patients," <i>Cancer Immunol. Immunother.</i> , 17 :180-189 (1984).									
	48	Maines-Bandiera, S.L., Kruk, P.A. and Auersperg, N., "Simian Virus 40-Transformed Human Ovarian Surface Epithelial Cells Escape Normal Growth Controls But Retain Morphogenetic Responses to Extracellular Matrix," <i>Am. J. Obstet. Gynecol.</i> , 167 :729-735 (1992).									
	49	Mandiyan, V., Andreev, J., Schlessinger, J., and Hubbard, S.R., "Crystal Structure of the ARF-GAP Domain and Ankyrin Repeats of PYK2-Associated Protein Beta," <i>EMBO J.</i> , 18 :6890-6898 (1999).									
	50	Mark, M., Rijli, F.M. and Chambon, P., "Homeobox Genes in Embryogenesis and Pathogenesis," <i>Pediatr. Res.</i> , 42 :421-429 (1997).									
	51	Maulbecker, C.C., and Gruss, P., "The Oncogenic Potential of Deregulated Homeobox Genes," <i>Cell Growth Differ.</i> , 4 :431-441 (1993).									
	52	Miyazaki, M., Schally, A.V., Nagy, A., Lamharzi, N., Halmos, G., Szepeshazi, Kr., and Armatis, P., "Targeted Cytotoxic Analog of Luteinizing Hormone-Releasing Hormone AN-207 Inhibits Growth of OV-1063 Human Epithelial Ovarian Cancers in Nude Mice," <i>Am. J. Obstet. Gynecol.</i> , 180 :1095-1103 (1999).									
	53	Nakajima-Iijima, S., Hamada, H., Reddy, P. and Kakunaga, T., "Molecular Structure of the Human Cytoplasmic β -actin Interspecies Homology of Sequences in the Introns," <i>Proc. Natl. Acad. Sci. USA</i> , 82 :6133-6137 (1985).									
	54	Obermair, A., Speiser, P., Reisenberger, K., Ullrich, R., Czerwenka, K., Kaider, A., Zeillinger, R., and Miksche, M., "Influence of Intratumoral Basic Fibroblast Growth Factor Concentration on Survival in Ovarian Cancer Patients," <i>Cancer Lett.</i> , 130 :69-76 (1998).									
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<i>SR</i>	55	Old, L.J. and Chen, Y.T., "New Paths in Human Cancer Serology," <i>J. Exp. Med.</i> , 187 :1163-1167 (1998).					
	56	Perkins, A., Kongsuwan, K., Visvader, J., Adams, J.M., and Cory, S., "Homeobox Gene Expression Plus Autocrine Growth Factor Production Elicits Myeloid Leukemia," <i>Proc. Natl. Acad. Sci., USA</i> , 87 :8398-8402 (1990).					
	57	Randazzo, P.A., Terui, T., Sturch, S., Fales, H.M., Ferrige, A.G., and Kahn, R.A., "The Myristoylated Amino Terminus of ADP-Ribosylation Factor 1 is a Phospholipid- and GTP-Sensitive Switch," <i>J. Biol. Chem.</i> , 270 :14809-14815 (1995).					
	58	Randazzo, P.A., "Functional Interaction of ADP-Ribosylation Factor 1 With Phosphatidylinositol 4,5-bisphosphate," <i>J. Biol. Chem.</i> , 272 :7688-7692 (1997).					
	59	Sahin, U., Tureci, O., Schmitt, H., Cochlovius, B., Johannes, T., Schmits, R., Stenner, F., Luo, G., Schobert, I., and Pfreundschuh, M., "Human Neoplasms Elicit Multiple Specific Immune Responses in the Autologous Host," <i>Proc. Natl. Acad. Sci., USA</i> , 92 :11810-11813 (1995).					
	60	Sambrook, et al., "Molecular Cloning: a Laboratory Manual" 2 nd ed., Cold Spring Harbor Press (1989), vol. 1, pp. 1.53-1.110					
	61	Scanlan, Matthew J., et al., "Characterization of Human Colon Cancer Antigens Recognized by Autologous Antibodies," <i>Int. J. Cancer</i> , 76 :652-658 (1998).					
	62	Srebrow, A., Friedmann, Y., Ravanpay, A., Daniel, C.W., and Bissel, M.J., "Expression of HOXA-1 and HOXB-7 is Regulated by Extracellular Matrix-Dependent Signals in Mammary Epithelial Cells," <i>J. Cell. Biochem.</i> , 69 :377-391 (1998).					
	63	Stockert, E., Jager, E., Chen, Y.T., Scanlan, M.J., Gout, I., Karbach, J., Arand, M., Knuth, A., and Old, L.J., "A Survey of the Humoral Immune Response of Cancer Patients to a Panel of Human Tumor Antigens," <i>J. Exp. Med.</i> , 187 :1349-1354 (1998).					
<i>SR</i>	64	Taylor, D.D., Homesley, H.D., and Doellgast, G.J., "Identification of Antigenic Components Recognized by 'Membrane-Bound' Antibodies from Ovarian Cancer Patients," <i>Am. J. Reprod. Immunol.</i> , 6 :179-184 (1984).					
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